

Title (en)
INSTALLATION FOR HANDLING WORKPIECES

Title (de)
ANLAGE ZUR HANDHABUNG VON WERKSTÜCKEN

Title (fr)
INSTALLATION DE MANIPULATION DE PIECES A USINER

Publication
EP 2960024 B1 20201209 (DE)

Application
EP 15171880 A 20150612

Priority
DE 102014212331 A 20140626

Abstract (en)
[origin: US2015375401A1] The invention relates to a system (10) for handling workpieces, with a handling device (12) which comprises at least one vacuum gripper (16) for drawing a workpiece in by suction, with at least one vacuum generator (26) that can be operated by the supply of compressed air for supplying the vacuum gripper (16) with vacuum, with at least one controllable control valve (28) by which the supply of compressed air to the vacuum generator (26) can be controlled, wherein the control valve (28) is associated with a control device (30) for the proper control of the control valve (28) as required. The handling device comprises an evaluation unit (32) for evaluating operating data of the vacuum generator (26) and/or for evaluating operating data of the handling device (12) as well as for generating control signals as a function of the evaluated operating data, wherein the evaluation unit (32) is arranged on the handling device (12), and wherein the control device (30) controls the control valve (28) as a function of the control signals transmitted from the evaluation unit (32).

IPC 8 full level
B25J 15/06 (2006.01); **F04F 5/52** (2006.01)

CPC (source: EP US)
B25J 15/0061 (2013.01 - US); **B25J 15/0616** (2013.01 - US); **B25J 15/0625** (2013.01 - EP US); **B25J 15/0675** (2013.01 - EP US); **B65G 47/91** (2013.01 - US); **B65G 47/917** (2013.01 - US); **F04F 5/52** (2013.01 - EP US); **B65G 47/918** (2013.01 - US)

Cited by
FR3132456A1; EP3636397A1; EP3192618A1; US9971362B2; DE102017126796A1; WO2023148308A1; WO2017040803A1; US11938618B2; US11945103B2; US11554505B2; US11964386B2; US10647005B2; US1185996B2; US11660763B2; US10814498B2; US11426881B2; US10265872B2; US10632631B2; US11117271B2; US11370128B2; US11813741B2; US10350755B2; US11123866B2; US11213949B2; US11724394B2; US10639787B2; US11203115B2; US11839974B2; US10343284B2; US10618177B2; US10625432B2; US10875185B2; US10913159B2; US11370122B2; US11420329B2; US11597095B2; US11813734B2; US10011020B2; US10335956B2; US10647002B2; US10850402B2; US11318623B2; US11370127B2; US11865699B2; US10118300B2; US10315315B2; US10357884B2; US10399236B2; US10576641B2; US10596711B2; US10723019B2; US10857682B2; US11198224B2; US11724389B2; US11945100B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2960024 A2 20151230; EP 2960024 A3 20160518; EP 2960024 B1 20201209; ES 2845927 T3 20210728; PL 2960024 T3 20210614; US 2015375401 A1 20151231; US 9656813 B2 20170523

DOCDB simple family (application)
EP 15171880 A 20150612; ES 15171880 T 20150612; PL 15171880 T 20150612; US 201514749136 A 20150624